

In the Claims

1. (Original) - Plastic greenhouse of the type that is composed of a framework that has a roof, side walls and optionally a front wall and a rear wall, which comprises:

- curved struts (1) formed by curved sections (3) which make up the roof and, the side walls in one possible embodiment,
- vertical uprights (2) formed by vertical sections (4) which make up the front wall, the rear wall and, the side walls in another possible embodiment,
- horizontal cross members (7) formed by horizontal sections (6)
- linear connectors (5) which fit together the curved sections (3) and/or the vertical sections (4),
- cross connectors (8) which fit together the curved sections (3) or the vertical sections (4) and the horizontal sections (6),

characterised in that

the horizontal sections (6) comprise a front side (18) and a rear side (19) attached by bracing ribs (20) provided with a series of lugs (17) adjacent to the side edges,

also the curved sections (3) and vertical sections (4) comprise a front side (9) and a rear side (10) linked by bracing ribs (11) on which there are lugs (12), arranged in a line adjoining the top and bottom edges respectively, on which is press-fitted the linear connector (5) that establishes the coupling between consecutive curved sections (3) and/or vertical sections (4),

additionally the curved sections (3) and the vertical sections (4) are provided at their end edges with a half lug (14) that, along with the other half lug (14') of the consecutive curved section forms a whole lug, on which a fastening cap (15) is fitted to assure fastening and collinearity between consecutive curved sections (3) and/or vertical sections (4),

and also in that the front side (9) and the rear side (10) of the curved sections (3) and the vertical sections (4) are provided with intermediate lugs (16) on which are fitted the cross connectors (8), which also engage on the lugs (17) of the horizontal section (6), establishing the fastening between the curved sections (3) or the vertical sections (4) and the horizontal sections (6).

2. (Original) - Plastic greenhouse according to claim 1 characterised in that it includes a plastic outer shell (21) on the front side (9) of the curved sections (3) and of the vertical sections (4).

3.- (Currently Amended) Plastic greenhouse according to claim 1 ~~claims 1 and 2~~ characterised in that it includes a plastic inner shell (33) that is fixed on the rear side (10) of the curved sections (3) and vertical sections (4) by means of clamps (22) consisting of open rings that engage on elongated protuberances (25) defined on the rear side (10), securing the plastic inner shell (33) between the two.

4.- (Currently Amended) Plastic greenhouse according to claim 1 ~~previous claims~~ characterised in that it includes inner spacer clips (23) that have an open rectangular groove (24) that engages with the rear side (10) of the curved section (3) or vertical section (4), thereby securing the plastic inner shell (33), and rests on the elongated protuberances (25), said inner spacer clip (23) extending perpendicularly until it ends up in a partly round groove (26) into which there fits a first round rod (27) that houses a first plastic laminar layer (28) which is parallel to and at a constant distance away from the plastic inner shell (33), so that an air chamber is formed between the two.

5.- (Currently Amended) Plastic greenhouse according to claim 1 ~~previous claims~~ characterised in that it includes an intermediate spacer clip (30) that fits on the round rod (27) encircling the laminar layer (28) by means of a partly round groove (29), from which the elongated intermediate clip (30) extends as far as its other end at which it is provided with another partly round groove (31) that engages with another rod (27') encircled by another laminar layer (28'), there being then installed other intermediate clips (30) that separate the innermost rod (27'') and laminar layer (28'').

6.- (Currently Amended) Plastic greenhouse according to claim 1 ~~claims 1 and 5~~ characterised in that it includes a clamp (34) that engages on the innermost rod (27'') and fastens the innermost laminar layer (28'').

7.-(Currently Amended) Plastic greenhouse according to claim 4 ~~claims 4 to 6~~ characterised in that the rods (27-27'-27'') have perpendicular ridges (32) along their whole length acting as supports for the inner spacer clips (23), for the intermediate spacer clips (35) and for the clamps (34).

8.- (Original) Plastic greenhouse according to claim 1 characterised in that the linear connector (5) is provided with inner recesses (36) for engaging on the curved section (3) and vertical section (4) lugs (12).

9.- (Original) Plastic greenhouse according to claim 1 characterised in that the cross connector (8) is provided with inner recesses (36) for engaging on the curved section (3) and vertical section (4) intermediate lugs (16), and on the horizontal section (6) lugs (17).